

Figure 1a

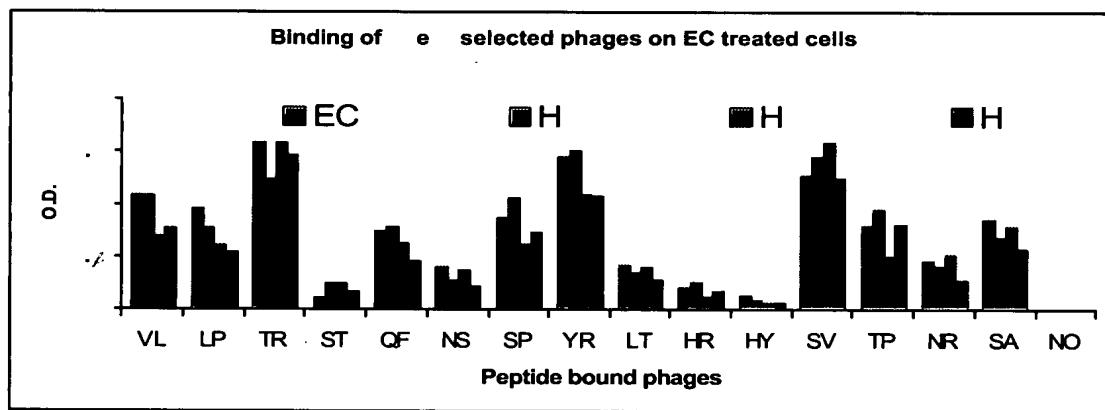
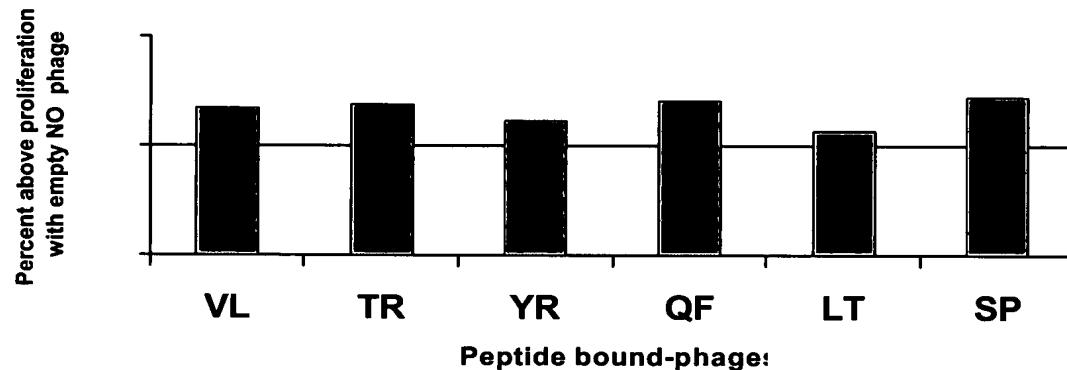


Figure 1b

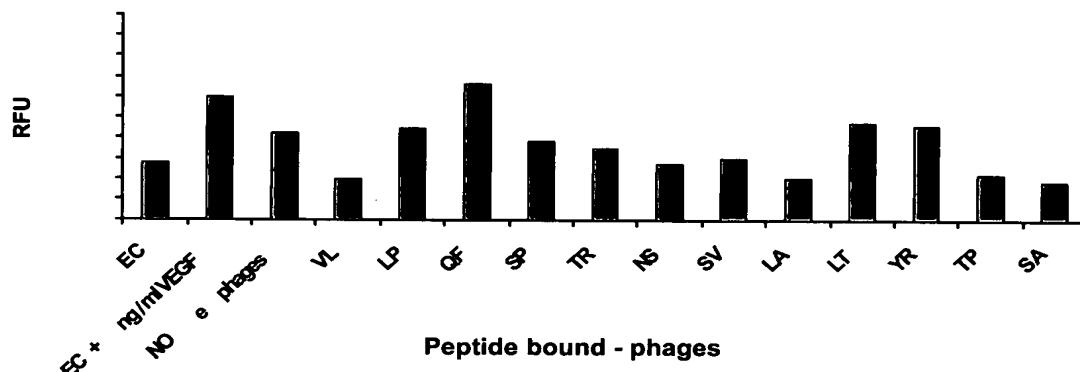


**Proliferation of EC with peptide bound phages  
( h ) in serum deprived medium**



**Figure 2**

**Phage ( e ) display peptides induce EC migration**



**Figure 3a**

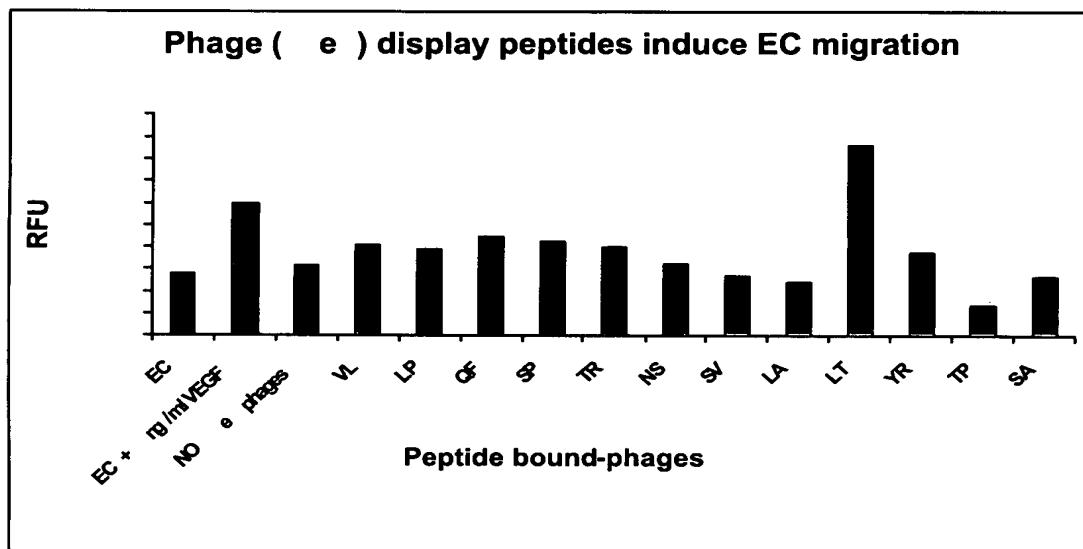


Figure 3b

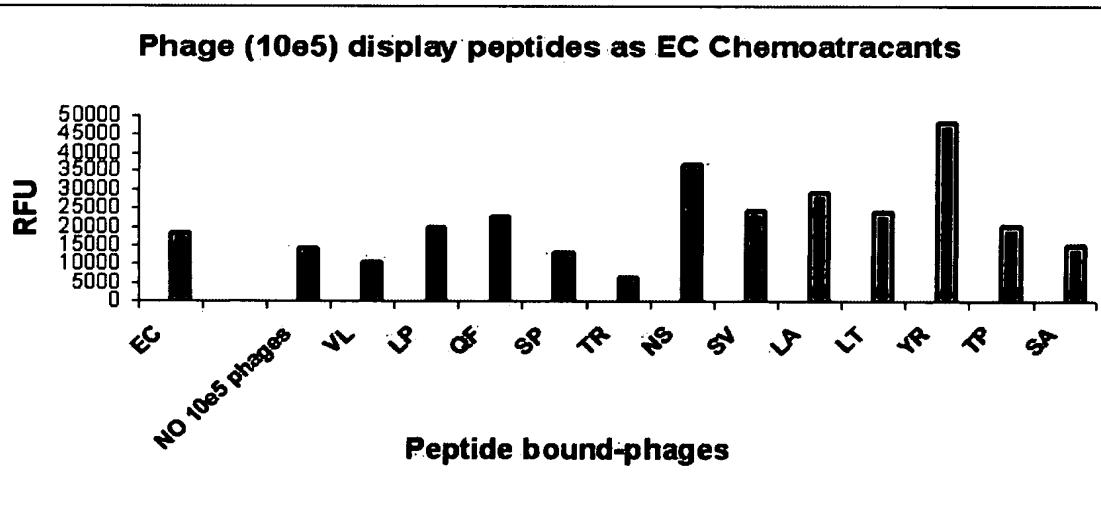


Figure 4a

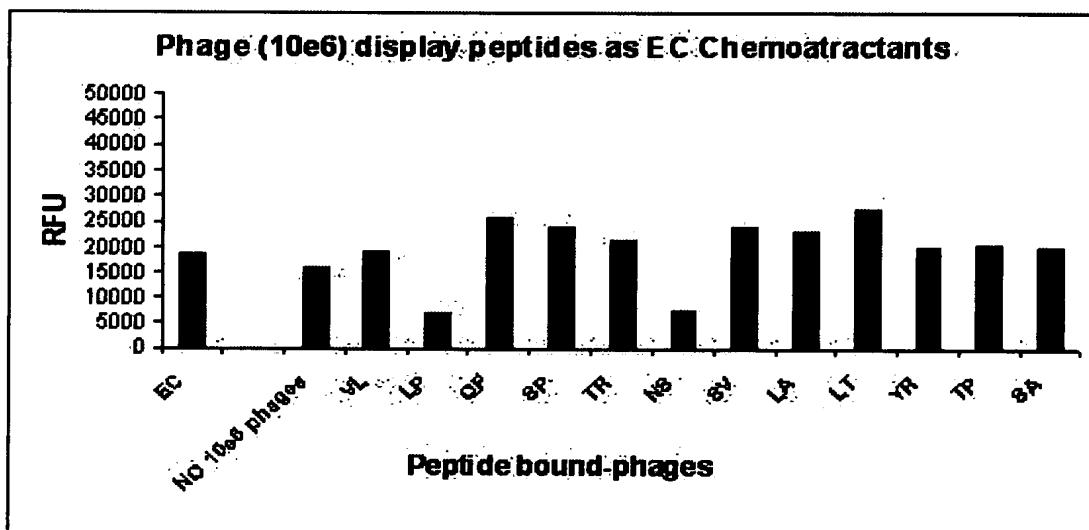
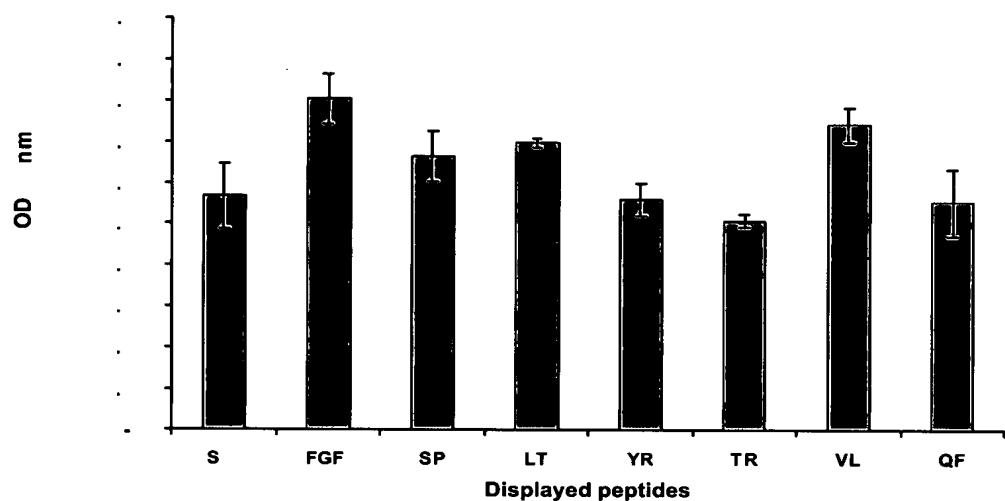


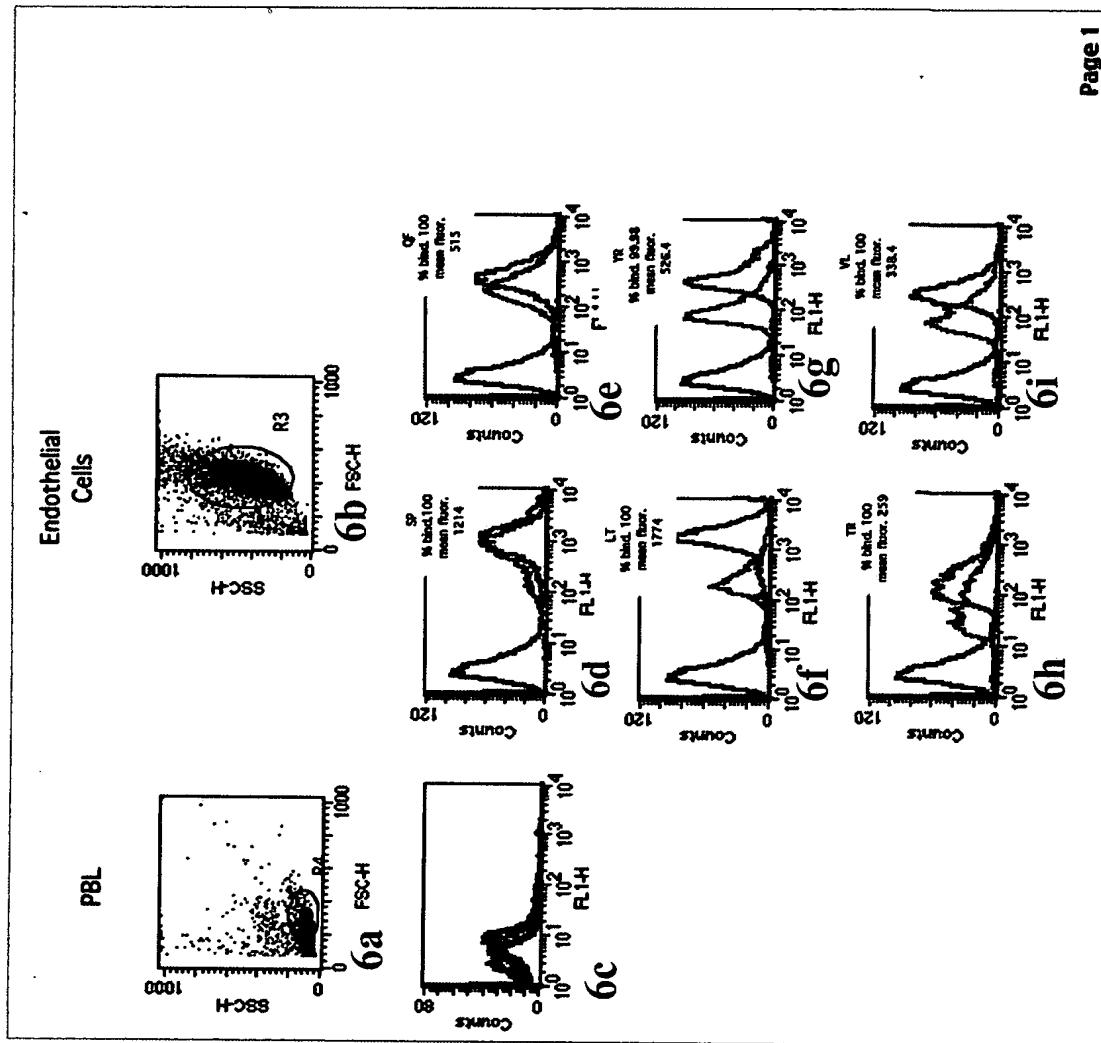
Figure 4b



**Phage -Display -Peptides induce proliferation of aortic rings derived cells**

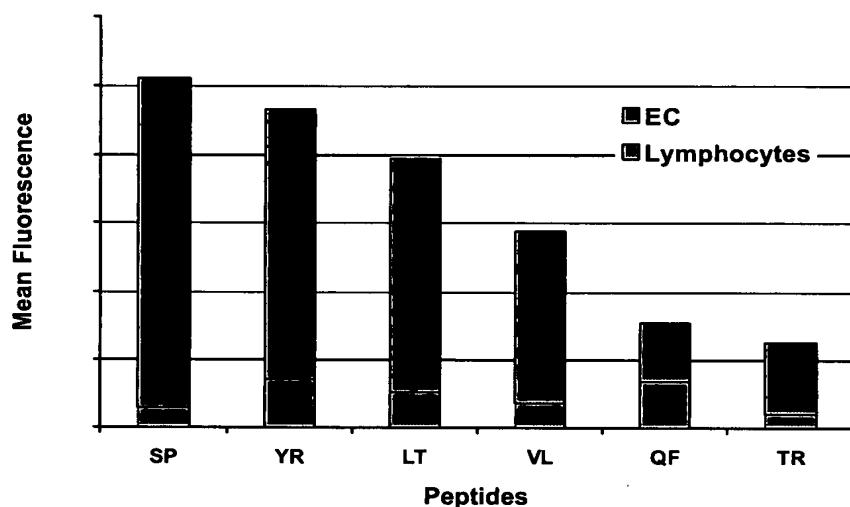


**Figure 5**

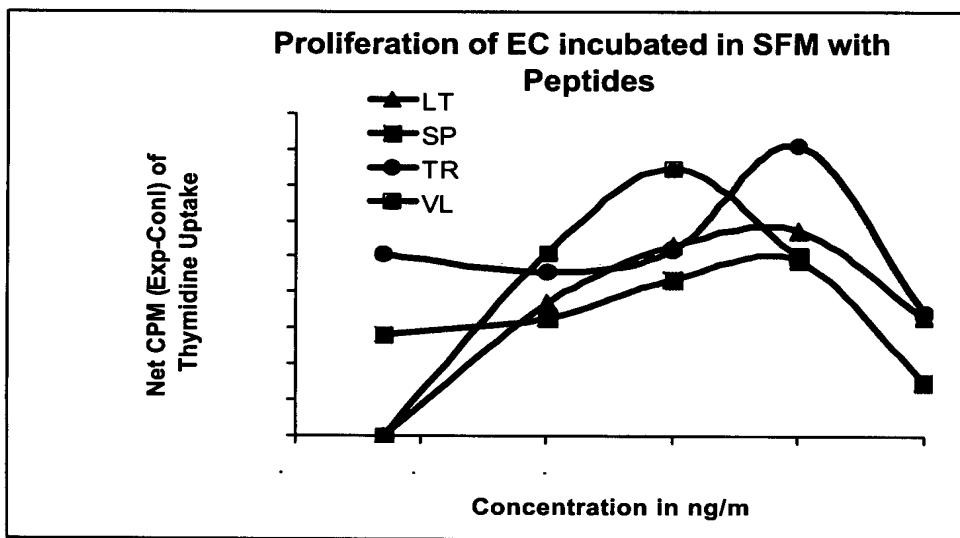


Figures 6a-j

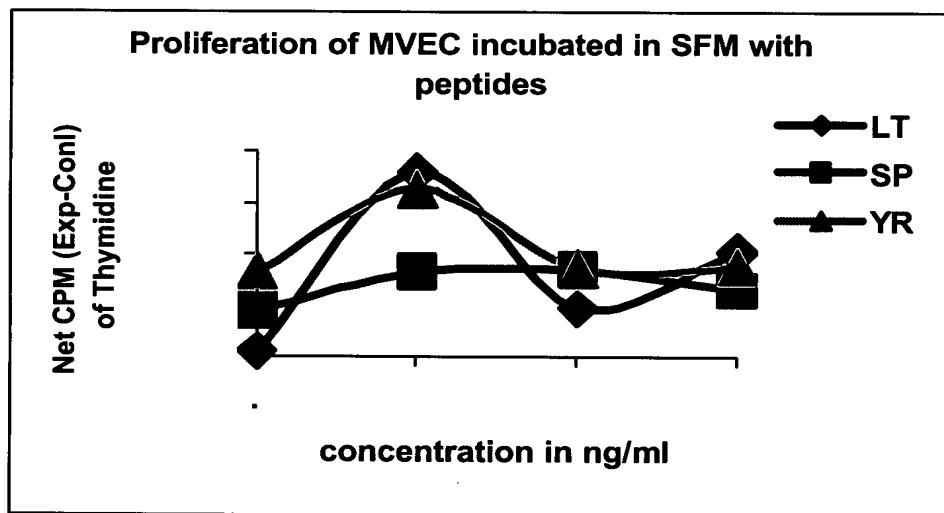
**FACS of Peptides ( ug/ml) binding to EC and PBL**



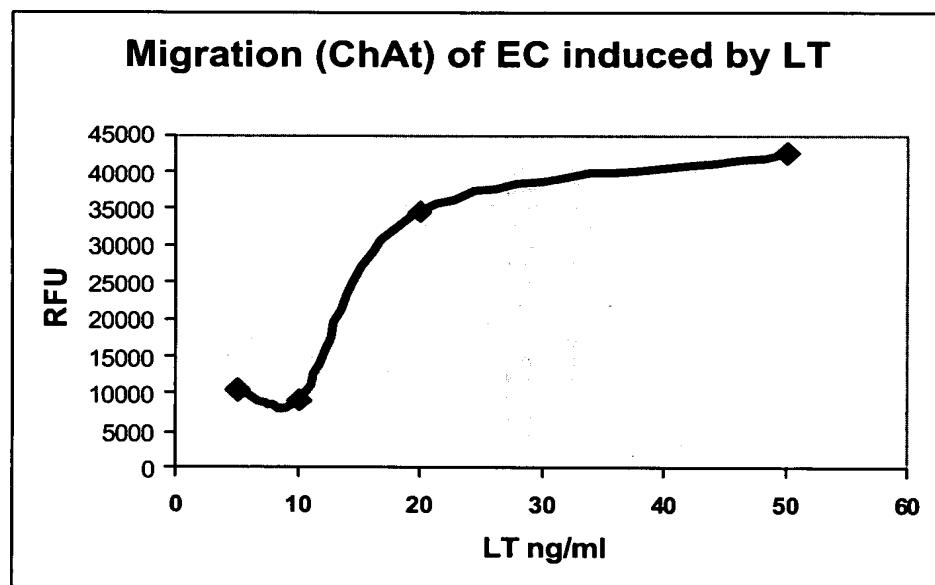
**Figure 7**



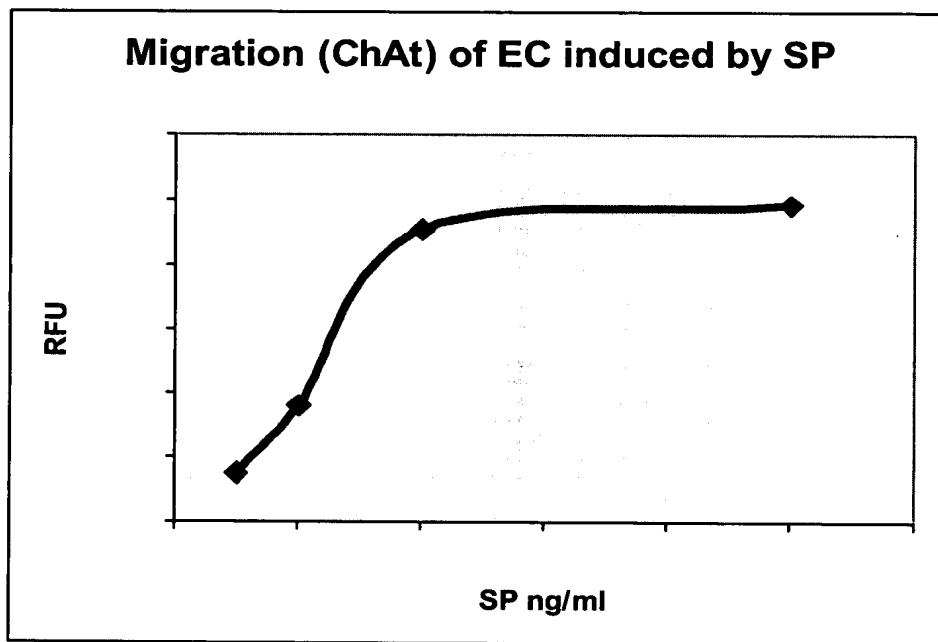
**Figure 8a**



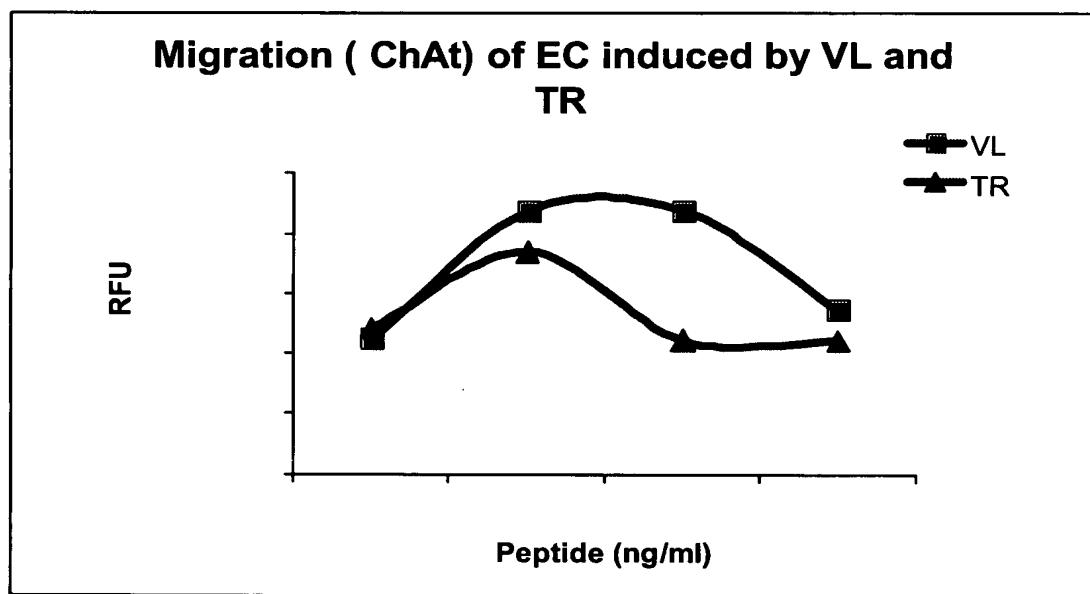
**Figure 8b**



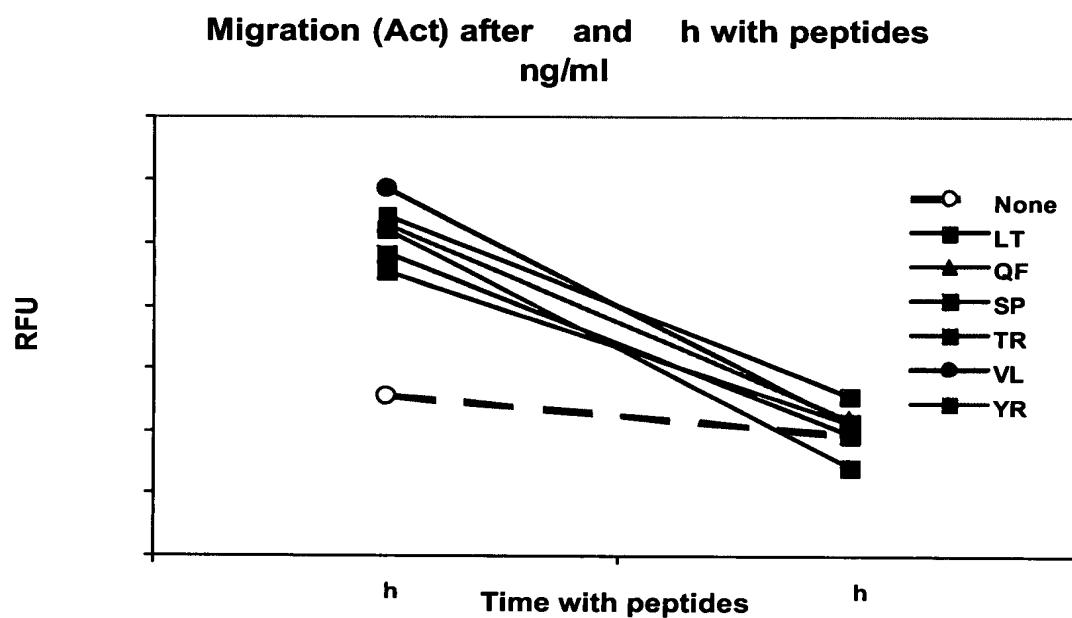
**Figure 9a**



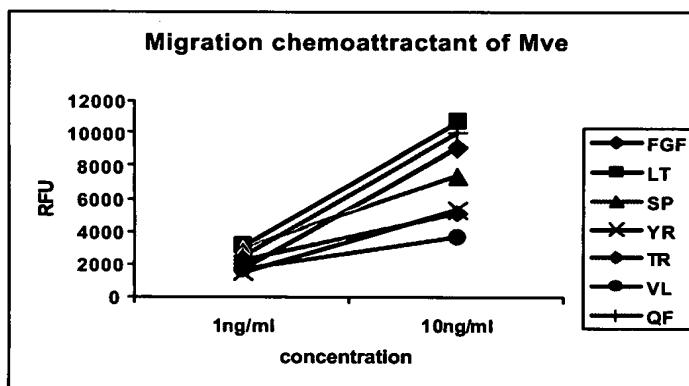
**Figure 9b**



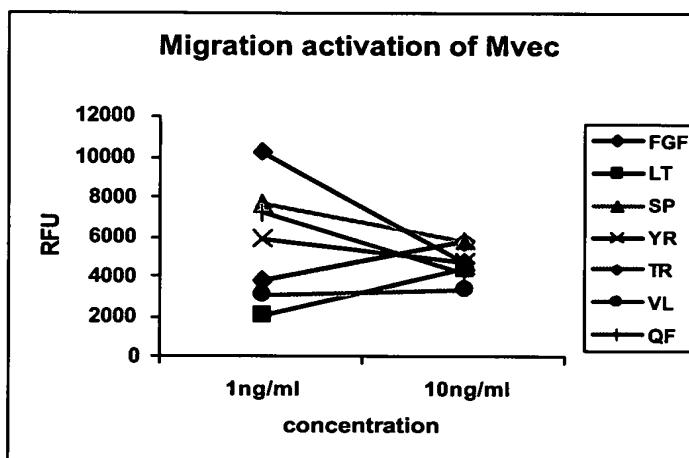
**Figure 9c**



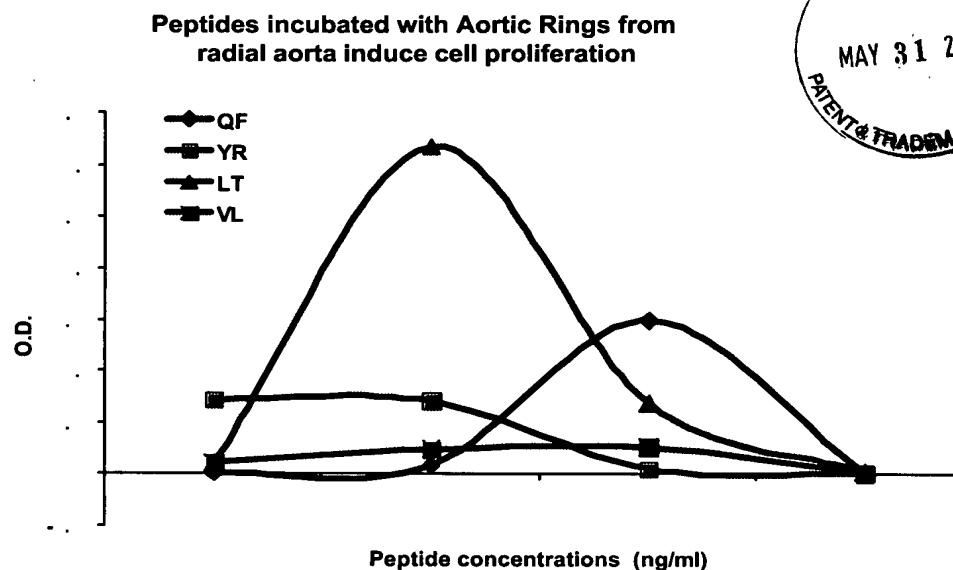
**Figure 10**



**Figure 11a**



**Figure 11b**



**Figure 12**

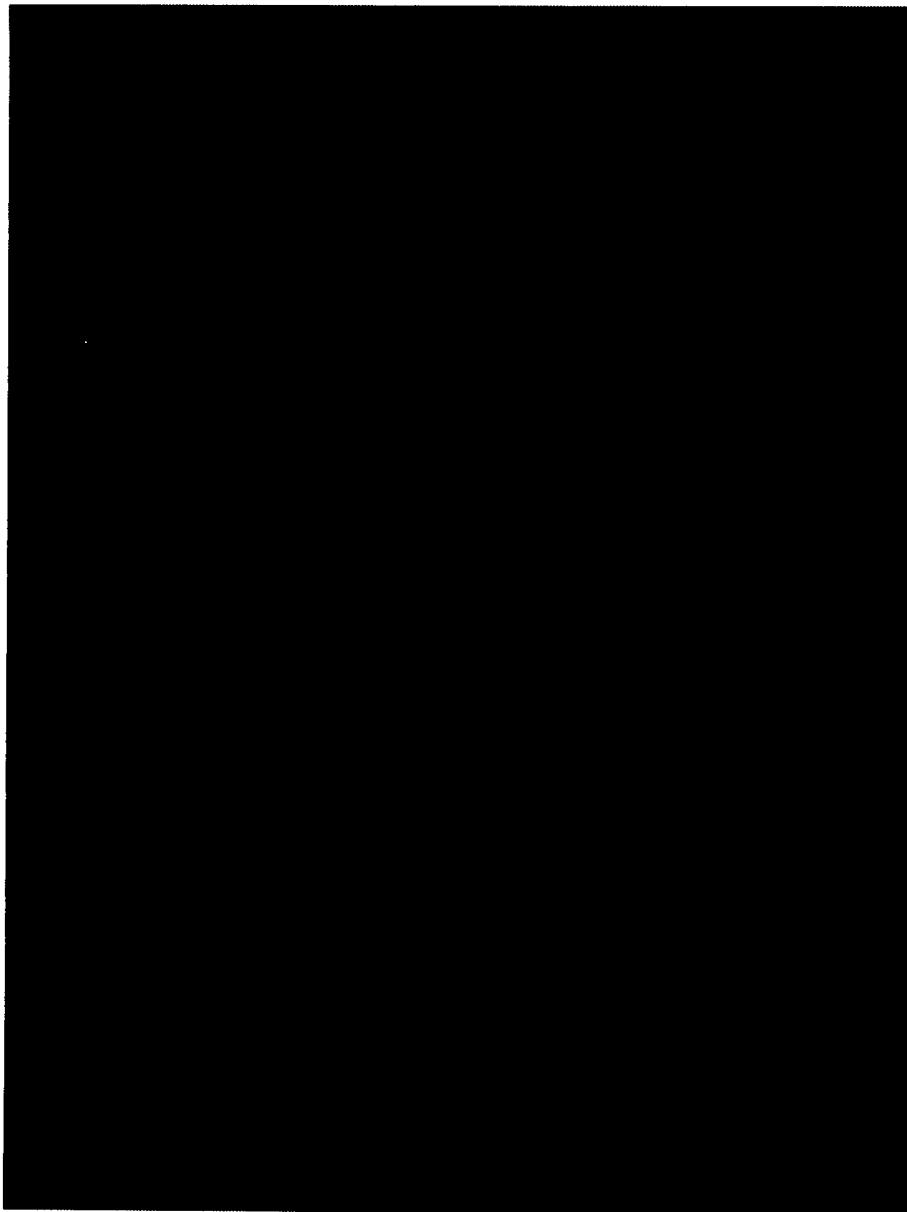


Figure 13a

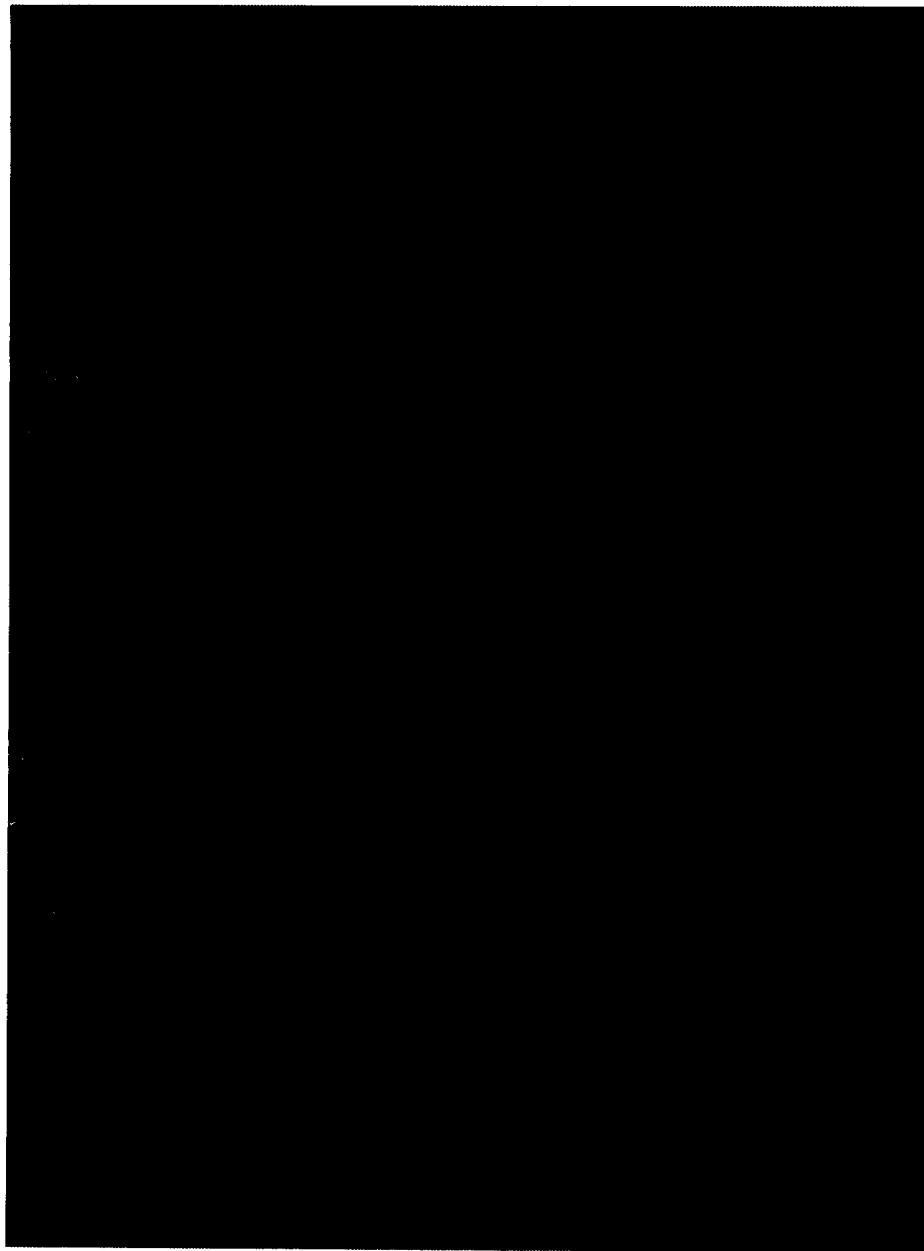
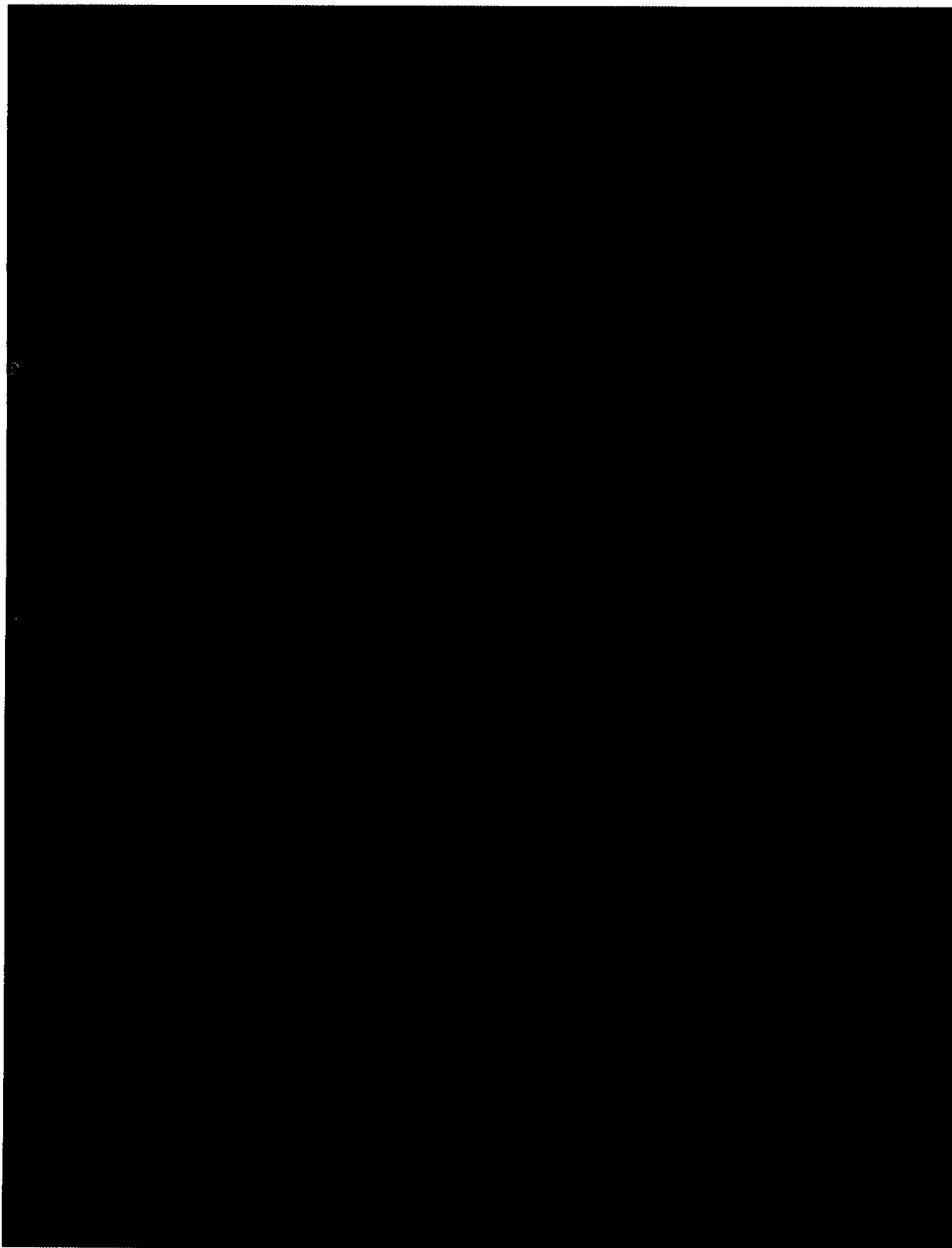


Figure 13b



**Figure 13c**

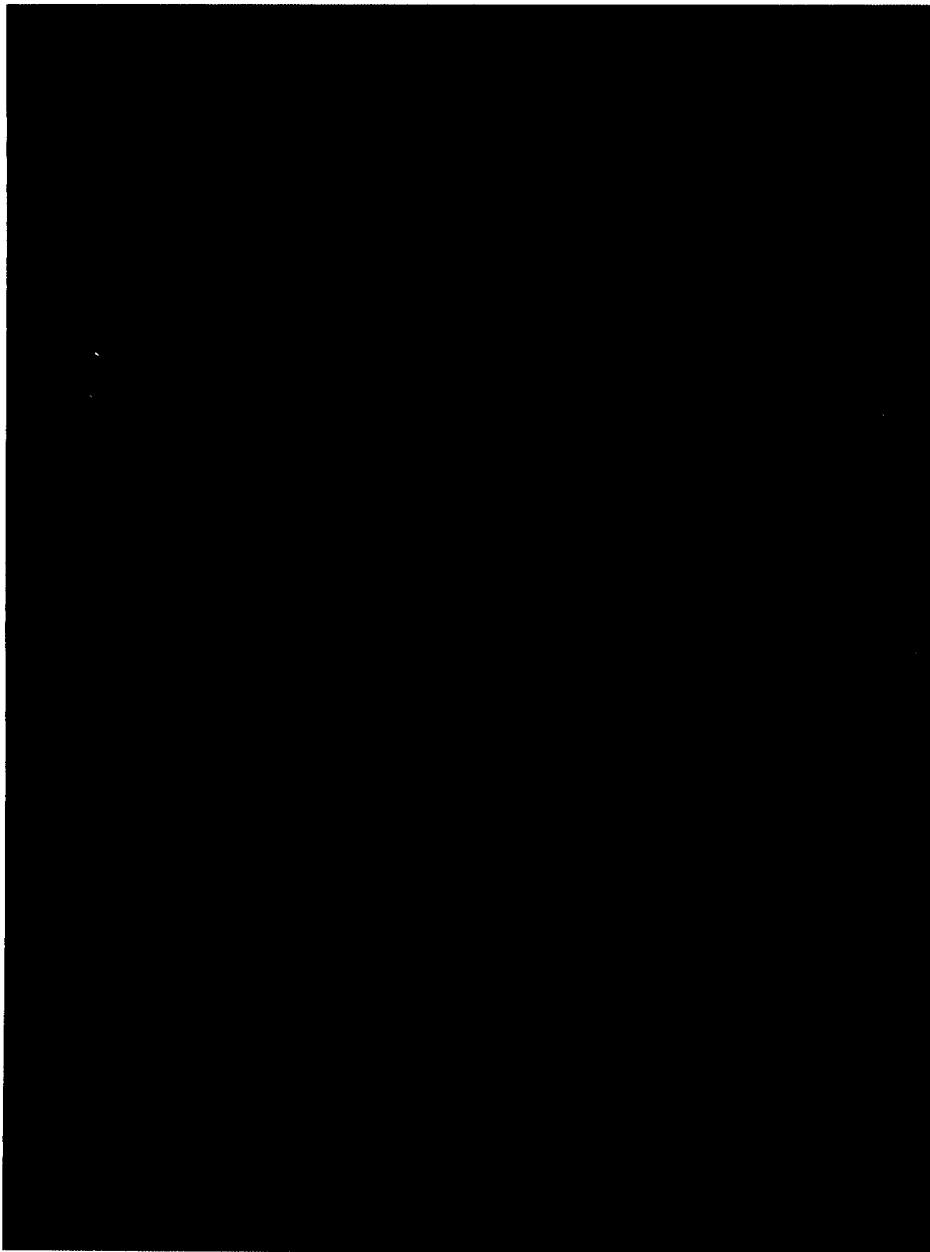


Figure 13d

Serial No.: 10/577,679  
Inventor: B. HARDY et al

REPLACEMENT SHEET

Attorney Docket No. 31831  
Title: ANGIOGENIC PEPTIDES...

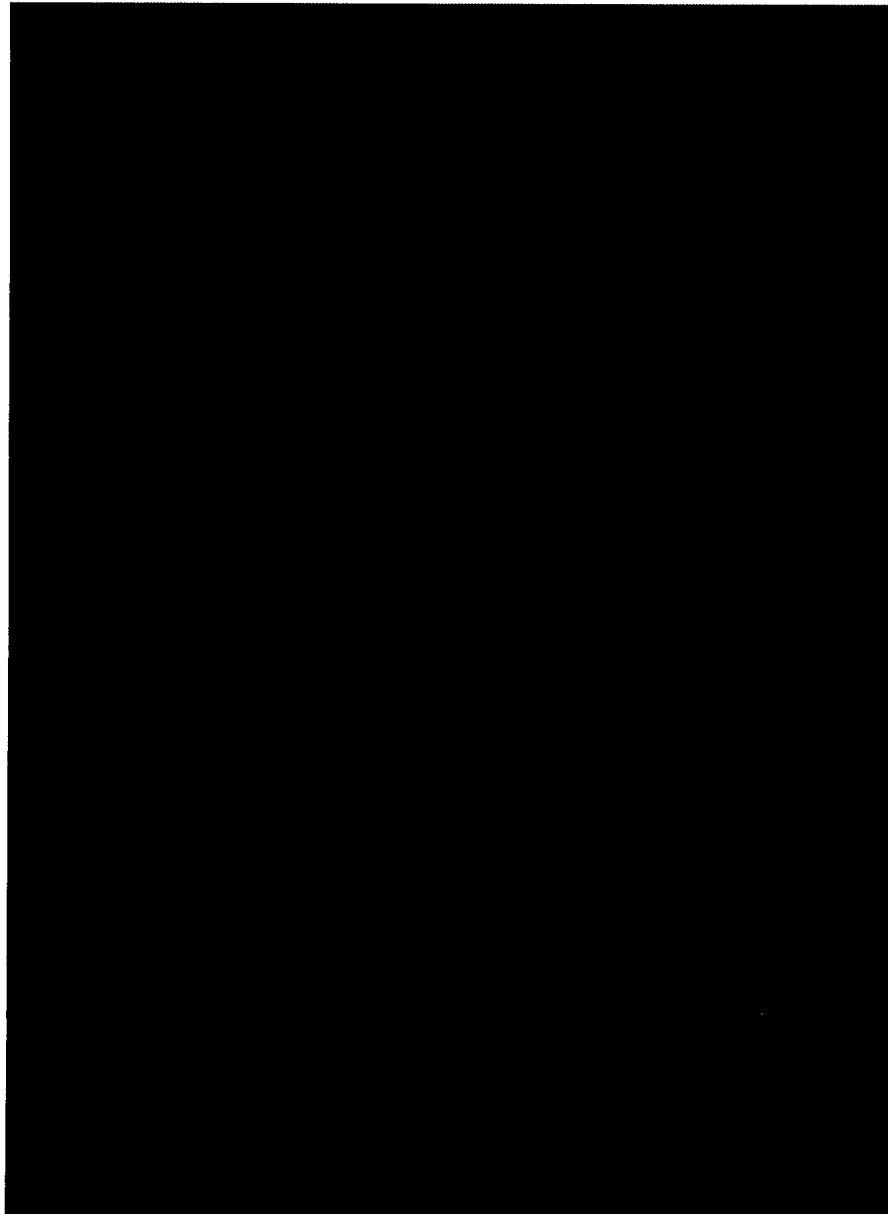
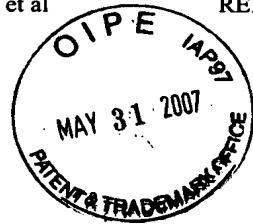


Figure 13e

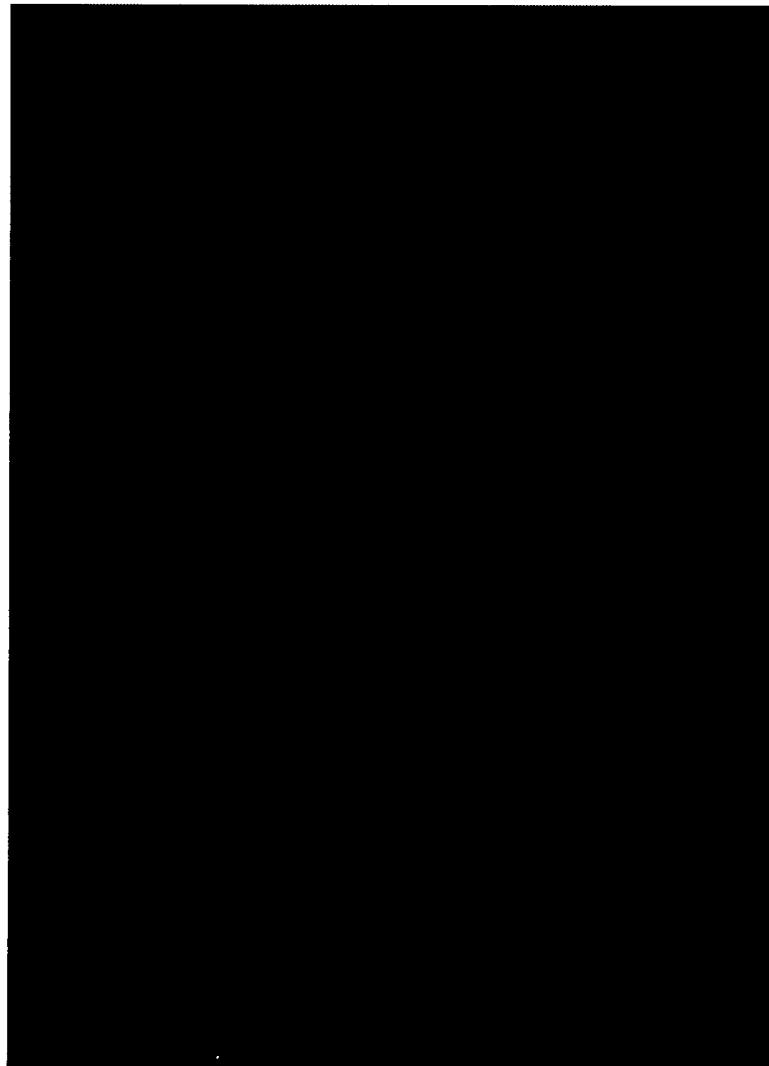


Figure 13f

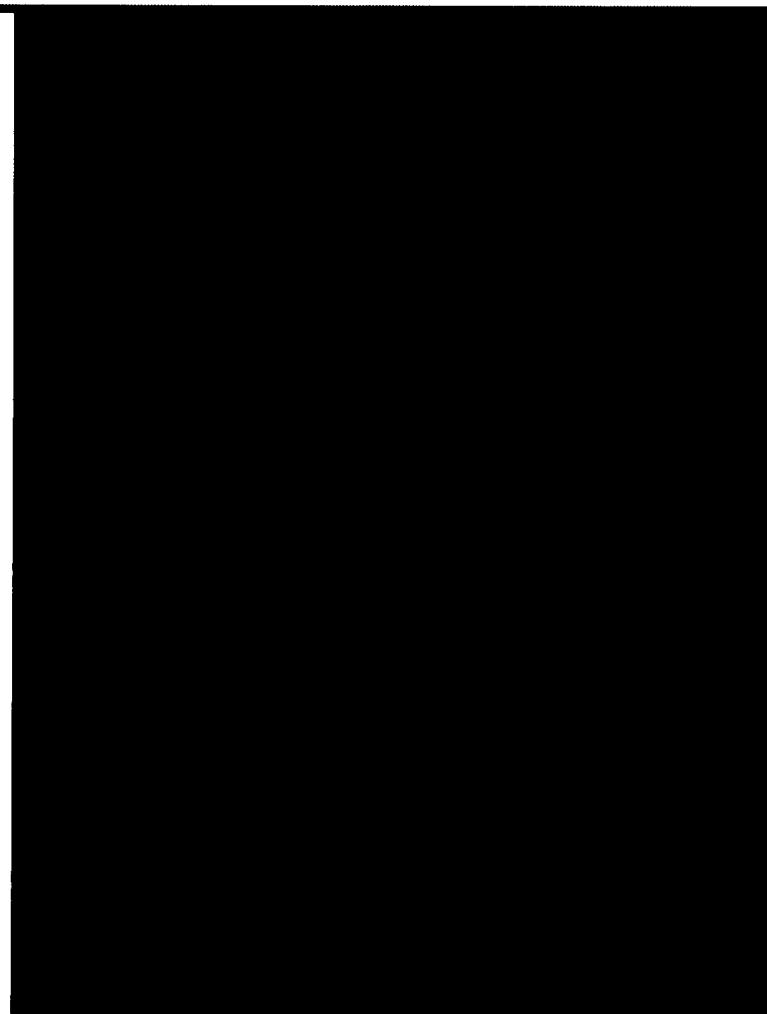


Figure 13g

Serial No.: 10/577,679  
Inventor: B. HARDY et al

REPLACEMENT SHEET

Attorney Docket No. 31831  
Title: ANGIOGENIC PEPTIDES...

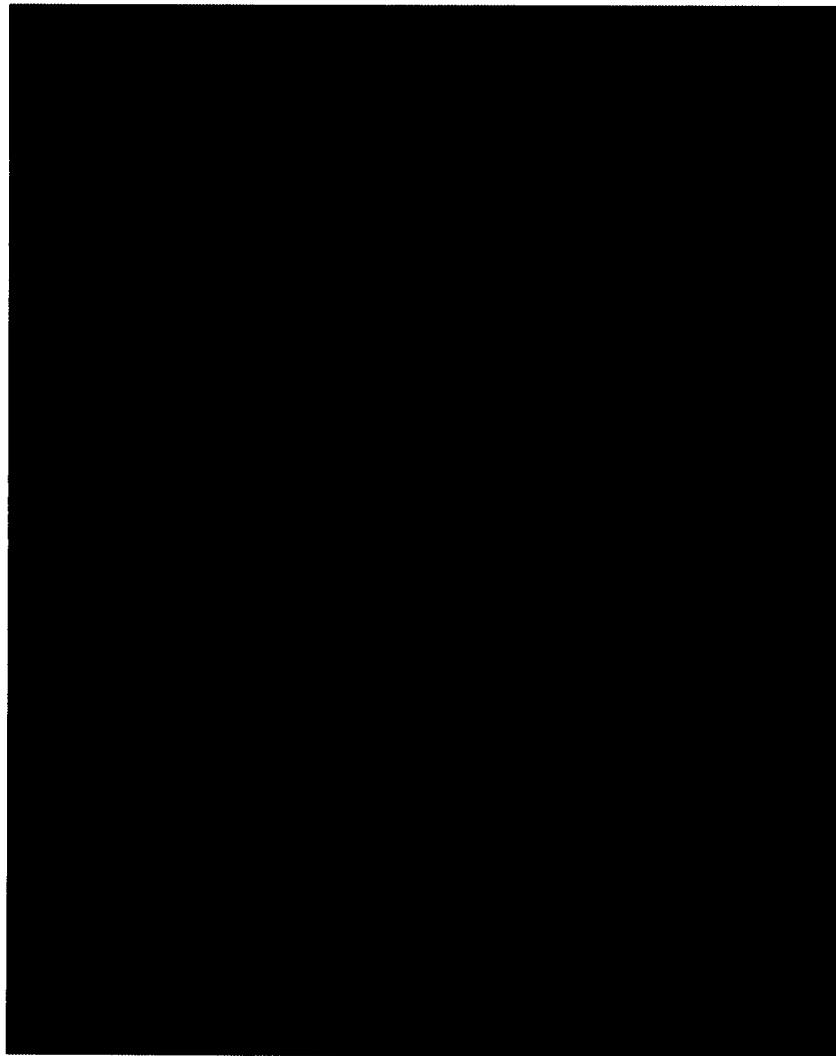


Figure 13h

Serial No.: 10/577,679  
Inventor: B. HARDY et al

REPLACEMENT SHEET

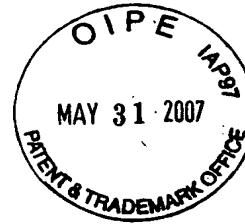
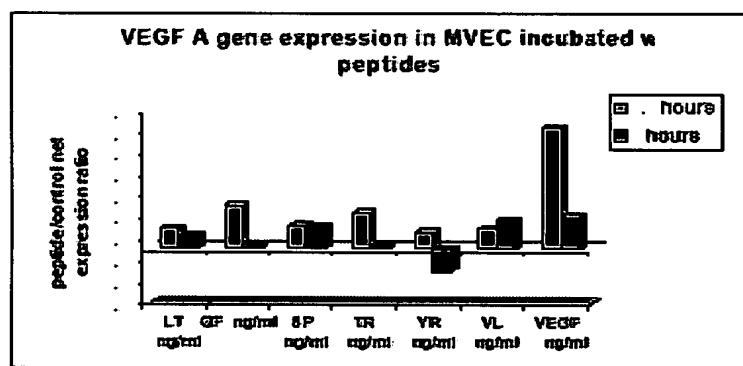
Attorney Docket No. 31831  
Title: ANGIOGENIC PEPTIDES...



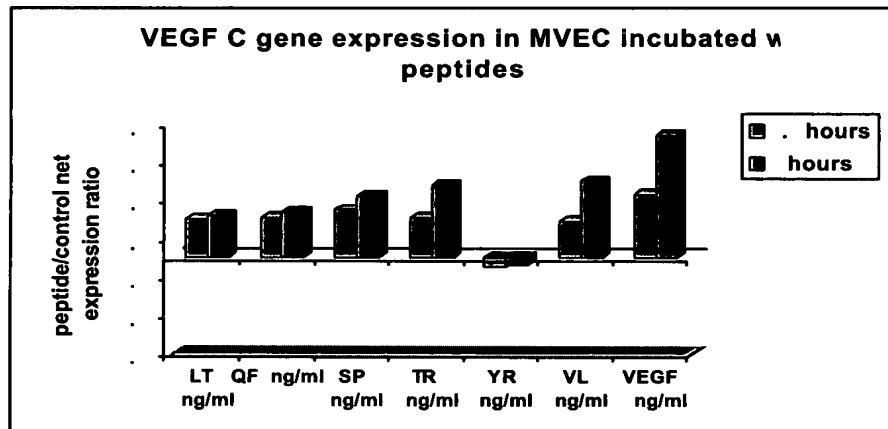
**Figure 13i**



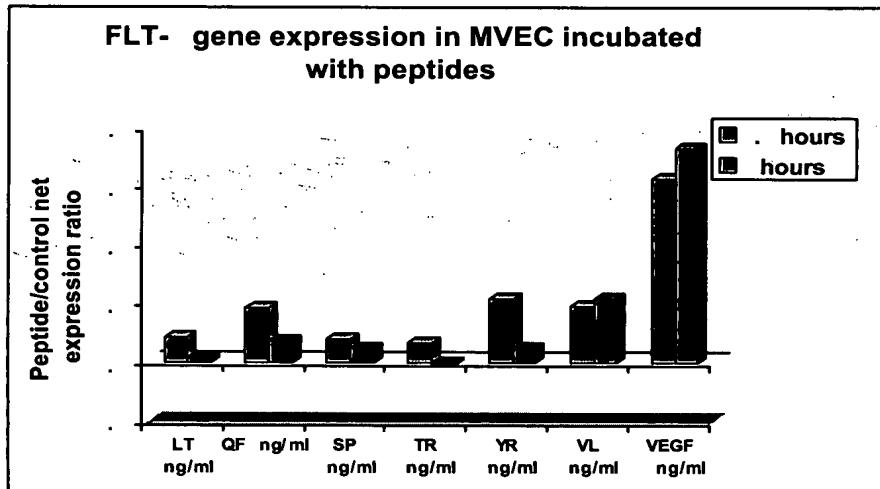
Figure 13j



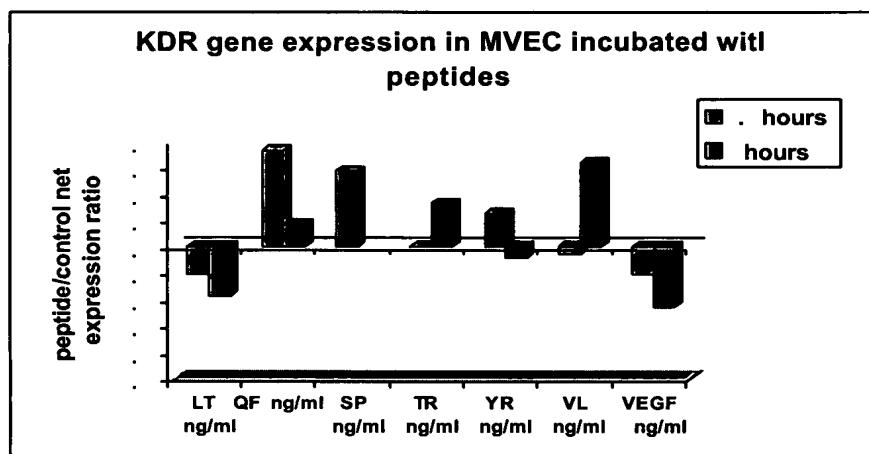
**Figure 14a**



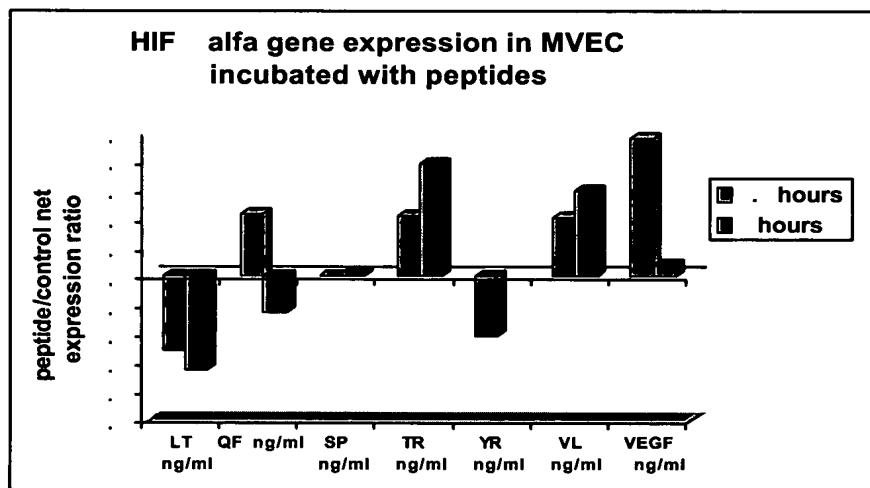
**Figure 14b**



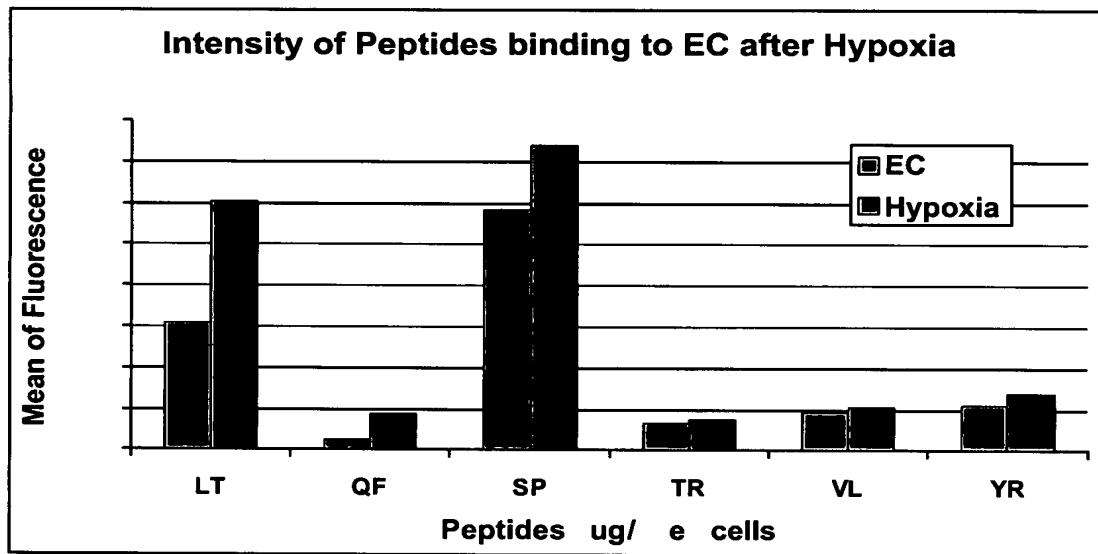
**Figure 14c**



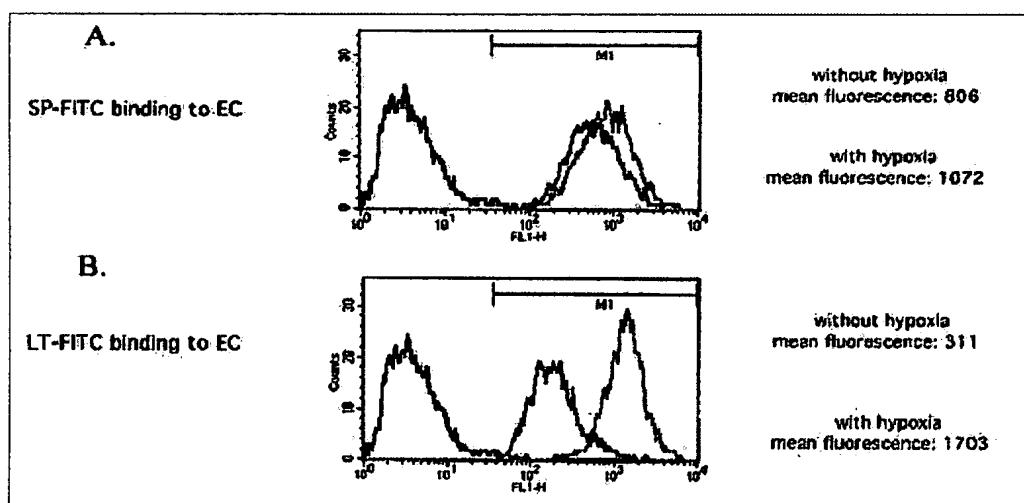
**Figure 14d**



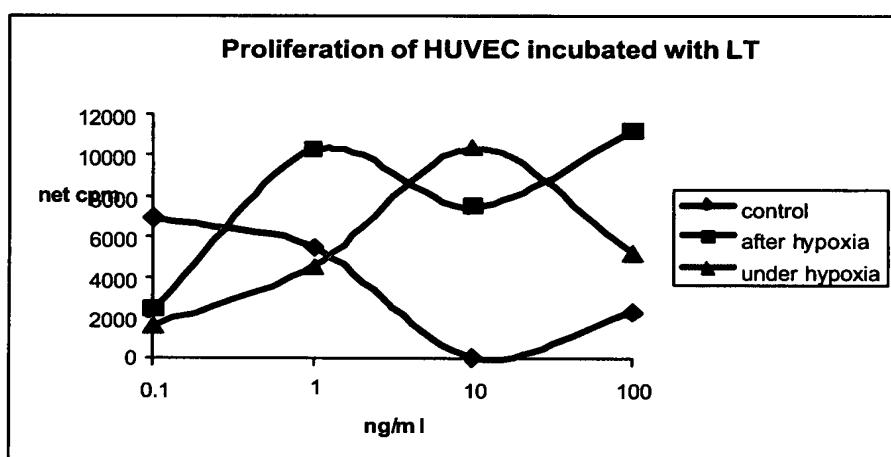
**Figure 14e**



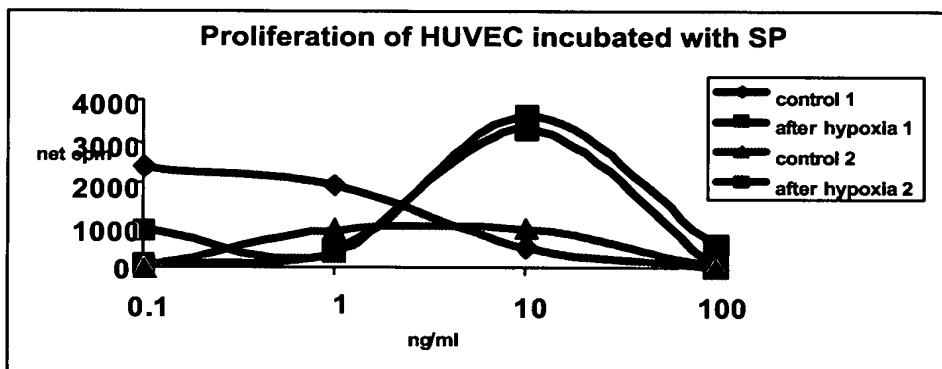
**Figure 15**



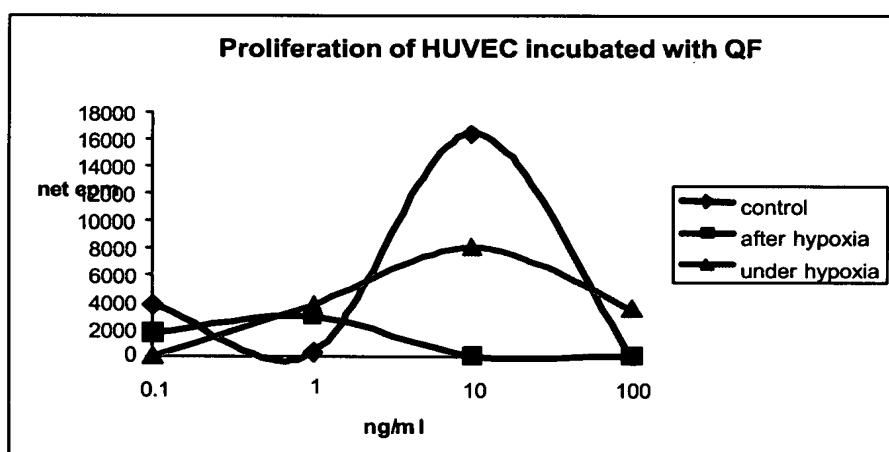
**Figures 16a-b**



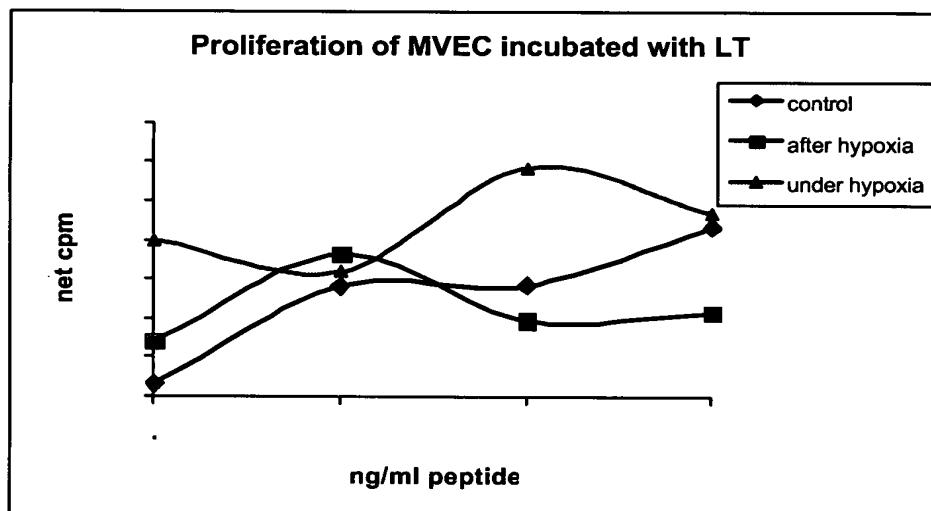
**Figure 17a**



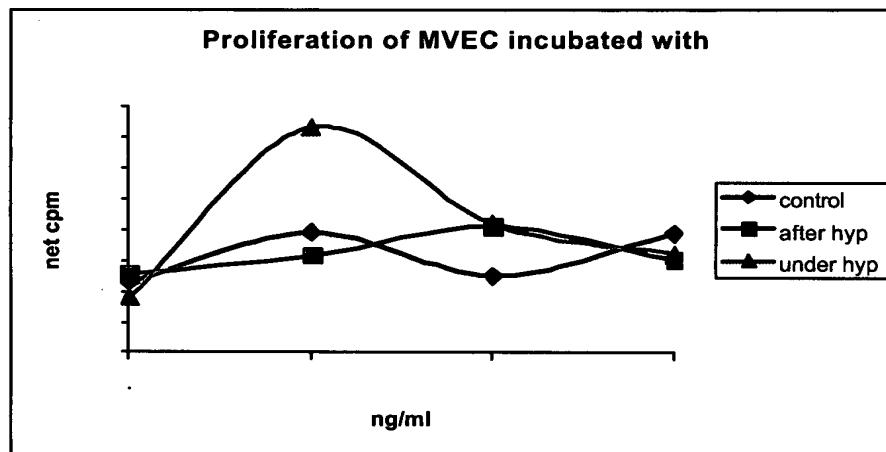
**Figure 17b**



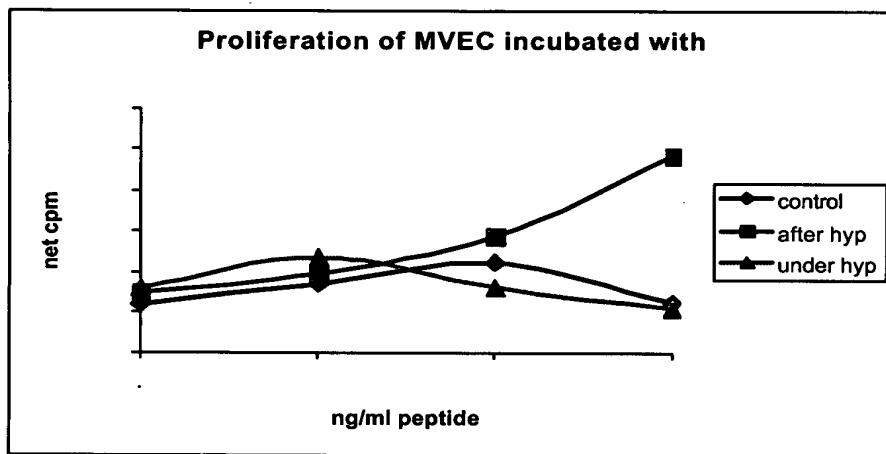
**Figure 17c**



**Figure 17d**



**Figure 17e**



**Figure 17f**



**Figure 18a**



**Figure 18b**



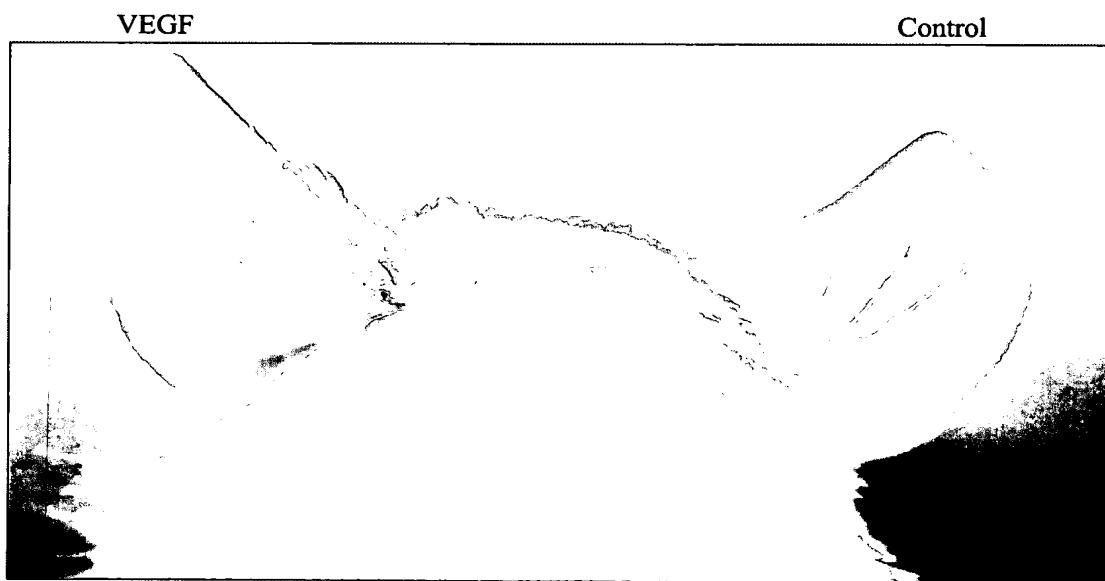
**Figure 18c**



**Figure 18d**



**Figure 18e**



**Figure 19a**

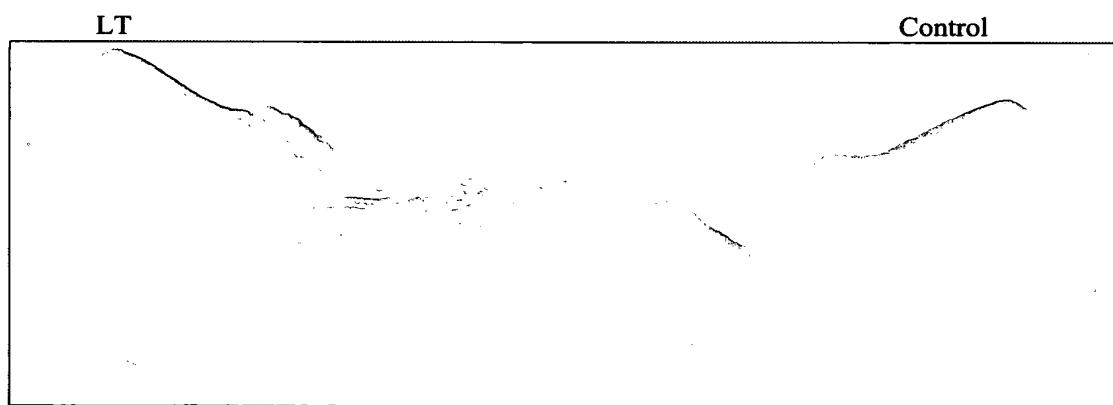


Figure 19b

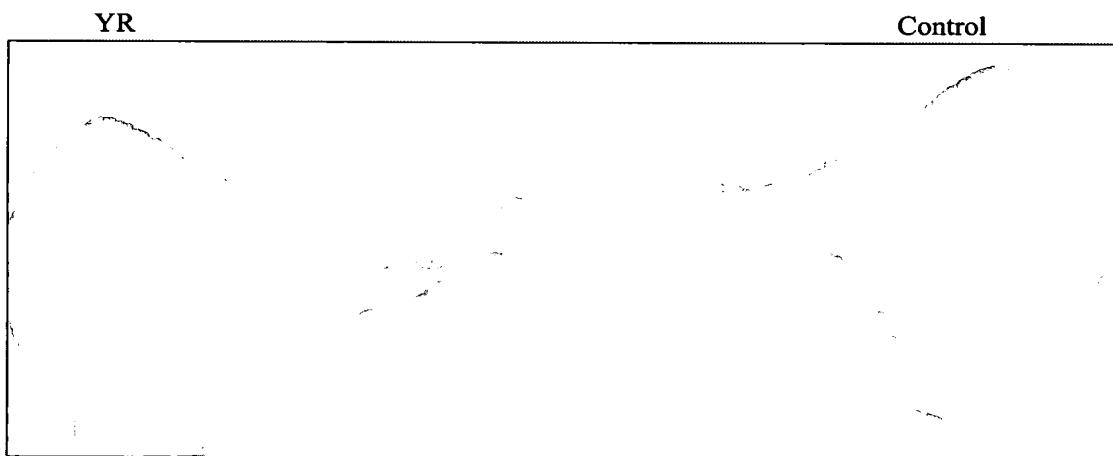


Figure 19c

Serial No.: 10/577,679  
Inventor: B. HARDY et al

U.S. PATENT & TRADEMARK OFFICE  
MAY 31 2007  
REPLACEMENT SHEET

Attorney Docket No. 31831  
Title: ANGIOGENIC PEPTIDES...

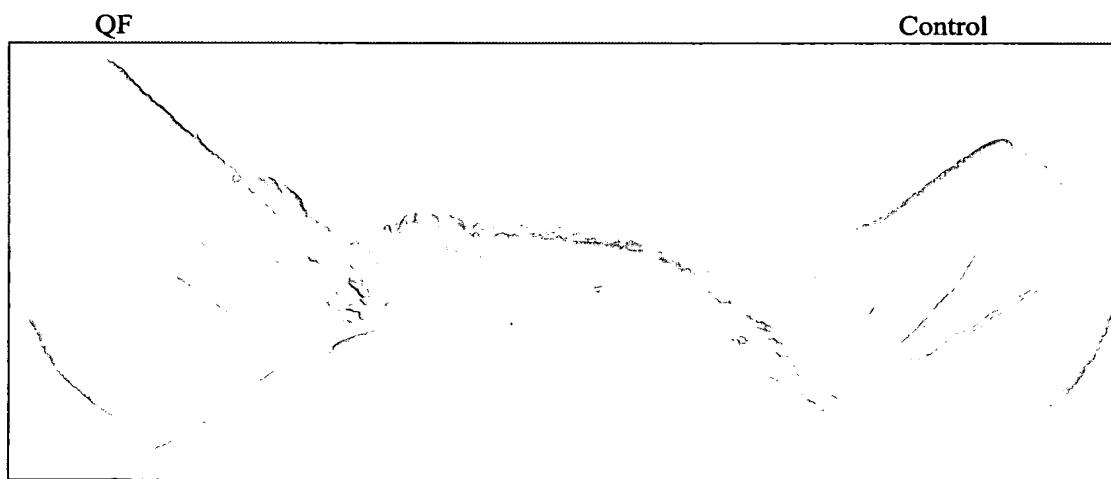


Figure 19d

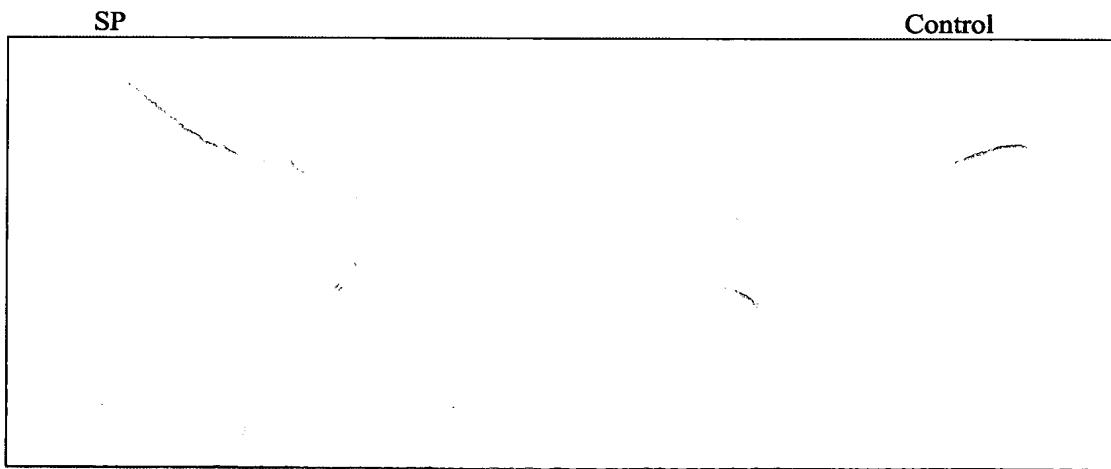
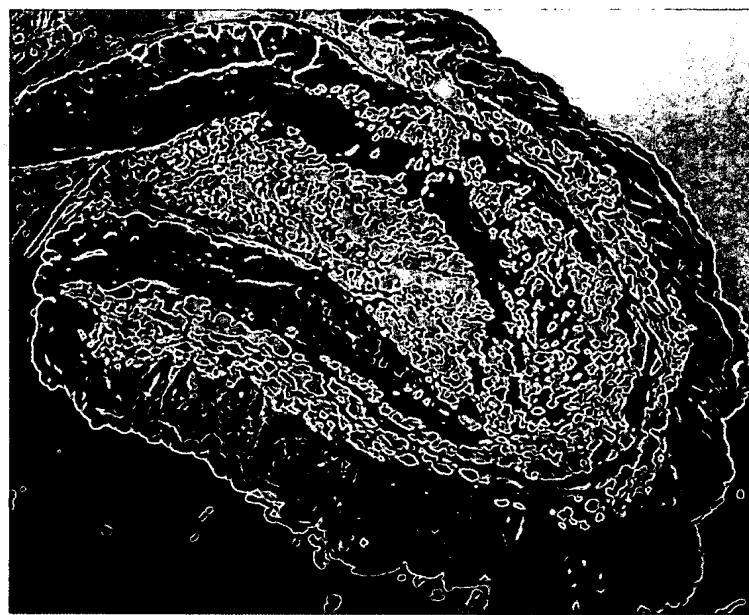


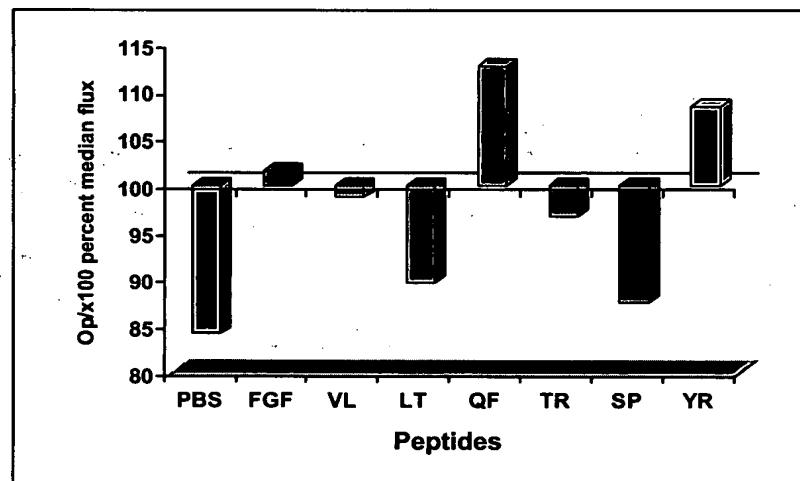
Figure 19e



**Figure 20a**



**Figure 20b**



**Figure 21**

Seq 1: VPWMEPAYQRFL (VL; SEQ ID NO:2)  
Seq 2: LLADTTHHRPWT (LT; SEQ ID NO:4)  
Seq 3: QPWLEQAYYSTF (QF; SEQ ID NO:6)  
Seq 4: SAHGTSTGVPWP (SP; SEQ ID NO:8)  
Seq 5: YPHIDSLGHWR (YR; SEQ ID NO:10)  
Seq 6: TLPWLEESYWRP (TR; SEQ ID NO:12)



### Figure 22a

Seq 1: VPWMEPAYQRFL (VL; SEQ ID NO:2)  
Seq 3: QPWLEQAYYSTF (QF; SEQ ID NO:6)  
Seq 5: YPHIDSLGHWR (YR; SEQ ID NO:10)  
Seq 6: TLPWLEESYWRP (TR; SEQ ID NO:12))

Motif scanned by e-motif  
<http://dna.stanford.edu/emotif/emotif-scan.html>  
**pw[i1][de]..y** (SEQ ID NO:27)  
Pro Trp Xaa Xaa Xaa Xaa Tyr (SEQ ID NO:32)

### Figure 22b

VEGB MOUSE Vascular endothelial growth factor B precursor  
PVSQFDGSPSHQKKVVV **PWIDVY** ARATCQPREEVVVPLS (amino acids 22-57 of SEQ ID NO:28)

**PWIDVY** (SEQ ID NO:31 amino acids 37-42 of  
SEQ ID NO:28)  
PVSQFDGSPSHQKKVVV PWIDVY ARATCQPREEVVVPL Mouse (SEQ ID NO:29)  
PVSQ D P HQ+KVV WIDVY RATCQPREEVVVPL Alignment of VEGF-B  
PVSQPDAPGHQRKVSVWIDVYTRATCQPREEVVVPL Human (SEQ ID NO:30)  
Seq 1: VPWMEPAYQRFL (SEQ ID NO:2)  
Seq 3: QPWLEQAYYSTF (SEQ ID NO:6)  
Seq 5: YPHIDSLGHWR (SEQ ID NO:10)  
Seq 6: TLPWLEESYWRP (SEQ ID NO:12)

### Figure 22c